### 12.0 ATTACHMENTS

# Attachment 12.1 Bell Atlantic Circuit Cross Reference Identification Indicators EXAMPLES

#### (1) Bell Atlantic Serial Circuit

	Prefix	Service Code & Modifier	Serial Number	Suffix	Company Assigned	Segment
Length	2	4	6	3	4	3
Example	14	XHGS	500260		PA	A
	ОВ	TXNU	445566		CM	

e.g. '14/XHGS/500260//PA/A' 'UB/TXNU/445566//CM'

Note \*: Bell Atlantic North unbundled serial circuits in WFA, Bell Atlantic South unbundled serial circuits in LMOS.

# (2) Bell Atlantic Telephone Number Circuit

	Prefix	Service Code & Modifier	Area Code	Prefix	Telephone Number	Extension	Segment
Length	2	4	3	3	4	5	3
Example	13	SEGS	717	691	9891	10002	

e.g. '13/SEGS/717/691/9891/T0002'

#### (3) Bell Atlantic POTS

	Area Code	Prefix	Exchange	Station
Length	3	. 3	4	4
Example	610	543	1888	

e.g. '6105431888'

#### (4) Bell Atlantic Trunk Group

	Trunk Number	Trunk Type	Location A	Address Signaling	Location Z
Length	4	13	11	2	Π
Example	0004	DF5-EDKD MCI	WLMGDEWLDSO	NN	WLMGDEWT2MD

e.g. '0004/DF5-EDKDMCI/WLMGDEWLDSO/NN/WLMGDEWT2MD'

#### (5) Bell Atlantic Carrier

	Facility Designation	Facility Type	Location A	Location Z
Length	4	6	l I	11
Example	106	T34	KGPRPAKPK31	KGPRPA24W99

e.g. '106/T34/KGPRPAKPK31/KGPRPA24W99'

T1.227 Trouble Type Description	T1.227 Code	WFA Code South	WFA Code North	LMOS Code South	LMOS Code North
NoDialTone Group	0100	NDT	NDT	NDT	NDT
NoDialTone	0101	NDT	NDT	NDT	NDT
SlowDialTone	0102	SDT	SDT	NDT	SDT
CircuitDead	0103	CKD	NDT	NDT	NDT
CanNotCallOutGroup	0200	cco	CCO	cco	cco
CanNotCallOut	0201	CCO	cco	cco	cco
CanNotBreakDialTone	0203	CBT	CCO	CCO	cco
DialToneAfterDialing	0204	OTH	CCO	cco	cco
HighandDry	0205	HAD	NDT	cco	NDT
CanNotRaise	0206	cco	CBC	CCO	CBC
AllAccessBusy	0207	cco	CBC	cco	MISC
CanNotCallOut2	0208	cco	cco	MISC	cco
CanNotCallLongDistance	0209	cco	cco	LD	CCLD
CanNotCallOverseas	0210	cco	cco	LD	CCO
SpeedCall	0211	cco	cco	MEM	MEM
CanNotBeCalledGroup	0300	CBC	CBC	CBC	CBC
CanNotBeCalled	0301	CBC	CBC	CBC	CBC
CanNotBeCalledBusy	0302	CBC	CBC	CBC	CBC
DoNotGetCalled	0303	CBC	CBC	CBC	CBC
CanNotTripRing	0304	CTR	CBC	CBC	CBC
FalseRings	0305	FSR	OTH	CBC	MISC
DoNotAnswer	0306	DTA	CBC	CBC	CBC
ReachRecording	0307	CBC	CBC	CBC	CBC
CanNotRaiseAStation	0308	CBC	CBC	CBC	CBC
CanNotRaiseADrop	0309	CBC	CBC	CBC	CBC
CanNotRaiseACircuitLocation	0310	CBC	CBC	CBC	CBC
RingNoAnswer	0311	RNA	CBC	CBC	CBC
Reorder	0312	ROR	CCO	NDT	CCO
AlwaysBusy	0313	BSY	BUSY	CBC	CBC
BellDoesNotRing	0314	CBC	CBC	CBC	CBC
bellDoesNotRing2	0315	CBC	CBC	CBC	CBC
bellRingsCanNotAnswer	0316	CBC	CBC	CBC	CBC
bellRingsAfterAnswer	0317	CBC	CBC	CBC	CBC
noRingNoAnswer	0318	NRA	CBC	CBC	CBC
otherRingTrouble	0319	CBC	CBC	MISC	CBC
receivesCallsForWrongNum	0320	CBC	CBC	MISC	CBC
recordingOnLine	0321	OTH	ROL	CBC	CBC
CanNotBeHeardGroup	0400	СВН	TRAN	TRAN	TRAN
CanNotBeHeard	0401	CBH	TRAN	TRAN	TRAN
CanNotHear	0402	CTH	TRAN	TRAN	TRAN
Fading	0403	FAD	OTH	TRAN	TRAN
Distant	0404	CBH	DATA	TRAN	DATA
ReachedWrongNumberGroup	0500	WNR	отн	cco	CCO
WrongNumber	0501	WNR	OTH	CBC	cco

T1.227 Trouble Type Description	T1.227	WFA	WFA	LMOS	LMOS
	Code	Code	Code	Code	Code
		South	North	South	North
CircuitOperation Group	0600	ОТН	GCO	MISC	MISC
Op <b>e</b> n	0601	OPX	NDT	NDT	NDT
FalseDisconnect	0602	OTH	GCO	MISC	MISC
Grounded	0603	GRD	OTH	TRAN	MISC
CanNotBeSignalled	0604	CBS	OTH	MISC	MISC
CanNotSignal	0605	CSO	OTH	MISC	MISC
PermanentSignal	0606	CCR	CCR	MISC	NDT
ImproperSupervision	0607	SUP	OTH	MISC	MISC
Supervision	0608	SUP	OTH	MISC	MISC
CanNotMeet	0609	CMT	OTH	MISC	MISC
CanNotReleaseCircuit	0610	SUP	OTH	MISC	MISC
HungUp	0611	SUP	OTH	MISC	TRAN
NoWinkStart	0612	SUP	OTH	MISC	MISC
NoSF	0613	SUP	OTH	MISC	MISC
LowSF	0614	SUP	OTH	MISC	MISC
NoContinuity	0615	NCN	OTH	MISC	MISC
CutCable	0616	OPN	OTH	MISC	MISC
OpenToDEMARC	0617	OPN	OTH	NDT	MISC
NoRingGenerator	0618	NTA	OTH	NDT	MISC
BadERL	0619	ERL	OTH	MISC	MISC
Echo	0620	ECO	OTH	TRAN	TRAN
Hollow	0621	HOL	OTH	TRAN	TRAN
CircuitDead	0622	CKD	OTH	NDT	MISC
CircuitDown	0623	DWN	OTH	NDT	MISC
FailingCircuit	0624	FLD	CRD	MISC	MISC
NoSignal	0625	NOS	OTH	MISC	MISC
SeizureOnCircuit	0626	SZR	OTH	MISC	MISC
LossEPSCSorSwitchedServices	0627	OTH	OTH	MISC	MISC
MonitorCircuit	0628	MON	OTH	MISC	MISC
NewServiceNotWorking	0629	OTH	OTH	NDT	MISC
OpenEPSCSorSwitchedServices	0630	OTH	OTH	MISC	MISC
OtherVoiceDescribeAdditiofo	0631	OTH	OTH	MISC	MISC
trunkBlockedFarEnd	0632	BLK	OTH	MISC	MISC
highRateIncomplete	0634	HFR	OTH	MISC	MISC
outgoingFailureAfterWink	0635	HFR	OTH	MISC	MISC
CutsOffGroup	0700	CTO	OTH	MISC	GCO
CutsOff	0701	СТО	OTH	MISC	GCO

T1.227 Trouble Type Description	11.227	WFA	WFA	LMOS	LMOS
**	Code	Code	Code	Code	Code
		South	North	South	North
NoiseProblemGroup	0800	NSY	NSY	TRAN	NOIS
IntermittentNoise	0801	INT	NSY	TRAN	NOIS
Noisy	0802	NSY	NSY	TRAN	NOIS
ForeignTone	0803	FOR	OTH	TRAN	TRAN
Clipping	0804	CLP	OTH	TRAN	TRAN
CrossTalk	0805	XTK	XTK	TRAN	HOOL
StaticOnLine	0806	SOL	NSY	TRAN	NOIS
GroundHum	0807	NSY	NSY	TRAN	TRAN
HearsOtherOnLine	0808	NSY	XTK	TRAN	NOIS
HumOnLine	0809	NSY	NSY	TRAN	NOIS
Clicking	0810	NSY	NSY	TRAN	NOIS
NoiseEPSCSorSwitchedServices	0811	NSY	NSY	TRAN	NOIS
LevelTroubles Group	0900	OTH	OTH	MISC	TRAN
LowLevels	0901	LOW	ОТН	MISC	TRAN
HighLevels	0902	OTH	ОТН	MISC	TRAN
LongLevels	0903	OTH	ОТН	MISC	DATA
HotLevels	0904	НОТ	ОТН	MISC	TRAN
HighEndRollOff	0905	OTH	отн	MISC	TRAN
LowEndRollOff	0906	отн	ОТН	MISC	TRAN
NeedsEqualized	0907	OTH	отн	MISC	TRAN
LineLoss	0908	OTH	отн	MISC	TRAN
DoesNotPassFreqResponse	0909	OTH	отн	MISC	TRAN
levelsOutOfLimit	0910	LVL	ОТН	MISC	NOIS
MiscellaneousTroubGroup	1000	OTH	OTH	MISC	MISC
HighCapDown	1001	CKD	OTH	MISC	MISC
CarrierDown	1002	CKD	OTH	MISC	MISC
BiPolarViolations	1003	BPV	OTH	MISC	MISC
FrameErrorsHiCap	1004	BPV	OTH	MISC	MISC
OutOfFrame	1005	OOF	OTH	MISC	MISC
LossOfSync	1006	oos	OTH	MISC	MISC
FramSlips	1007	SLP	отн	MISC	MISC
NoLoopback	1008	NLB	CRD	MISC	MISC
CanNotLoopbackDEMARC	1009	NLB	ОТН	MISC	MISC
RecordingOnCircuit	1010	OTH	ROL	TRAN	MISC
LinesNeedTagging	1011	OTH	OTH	PHYS	MISC
OutwatsRingingIn	1012	OTH	OTH	MISC	MISC
RemoteAccess	1013	OTH	OTH	MISC	MISC
Other	1014	OTH	OTH	MISC	MISC.
Alarm	1015	ALM	ALM	MISC	MISC
multipleShortDurationHit	1016	HIT	отн	MISC	MISC
frameError	1017	FRM	ERR	MISC	MISC
facilityAlarm	1018	ALM	ALM	MISC	MISC
softwareGroupAlarm	1019	ALM	ALM	MISC	MISC
dChannelDown	1020	OTH	NTR	MISC	MISC
degadationOft1.5	1021	OTH	ERR	MISC	MISC
networkFailure	1022	OTH	CKD	MISC	MISC
MemoryServicesProblemsGroup	1100	OTH	MEM	MEM	MEM
speedCall	1101	OTH	MEM	LD	MEM
voiceMessagingServicesProblem	1114	OTH	MEM	MEM	VMS

T1.227 Trouble Type Description	T1.227	WFA	WFA	LMOS	LMOS
	Code	Code	Code	Code	Code
	1	South	North	South	North
DataTroubleGroup	1200	OTH	DATA	DATA	DATA
CanNotReceiveData	1201	CRD	CRD	DATA	DATA
CanNotSendData	1202	CSD	CRD	DATA	DATA
CanNotTransmitCanNotReceive	1203	NTR	NTR	DATA	DATA
NoReceive	1204	OTH	OTH	DATA	DATA
NoResponse	1205	OTH	OTH	DATA	DATA
Delay	1206	DEL	OTH	DATA	MISC
ImpulseNoise	1207	IMP	OTH	DATA	MISC
PhaseJitter	1208	ЛТ	OTH	DATA	DATA
Harmonic Distortion	1209	OTH	OTH	DATA	DATA
HighDistortion	1210	OTH	OTH	DATA	DATA
NoDataLoopback	1211	OTH	OTH	DATA	DATA
NoCarrier	1212	NCR	CRD	DATA	DATA
NotPolling	1213	OTH	OTH	DATA	DATA
DataFramingErrors	1214	FRM	OTH	DATA	DATA
DropOuts	1215	DPO	CRD	DATA	DATA
Hits	1216	HIT	OTH	DATA	DATA
NoAnswerBack	1217	NAB	OTH	DATA	MISC
Streamer	1218	OTH	OTH	DATA	DATA
OutOfSpecification	1219	OTH	OTH	DATA	DATA
CanNotRunToCSU	1220	OTH	OTH	DATA	DATA
CanNotRunToOSU	1221	OTH	OTH	DATA	DATA
DeadDataCircuit	1222	OTH	OTH	DATA	DATA
CircuitInLoopback	1223	CIL	CRD	DATA	DATA
Errors	1224	ERR	ERR	DATA	DATA
GarbledData	1225	OTH	OTH	DATA	DATA
InvalidData	1226	INV	CRD	DATA	DATA
CrossModulation	1227	OTH	OTH	DATA	DATA
SlowResponse	1228	SLO	OTH	DATA	DATA
Other Data Describe Addit Info	1229	OTH	OTH	DATA	DATA
GettingAllOnes	1230	GAO	OTH	DATA	DATA
Slip	1231	SLP	OTH	DATA	DATA
stationTroubleGroup	1300	OTH	PHYS	CBC	PHYS
voiceEquipment	1301	OTH	PHYS	CBC	PHYS
dataEquipment	1302	OTH	PHYS	DATA	PHYS
videoĒquipment	1303	OTH	PHYS	DATA	PHYS
otherEquipment	1304	OTH	PHYS	CBC	PHYS
stationWiring	1305	OTH	PHYS	DATA	PHYS

T1.227 Trouble Type Description	T1.227	WFA	WFA	LMOS	LMOS
	Code	Code	Code	Code	Code
		South	North	South	North
Physical Trouble Group	1400	OTH	PHYS	PHYS	PHYS
LightBurnedOut	1401	OTH	PHYS	MISC	PHYS
Dataset	1402	OTH	DATA	MISC	DATA
TtySet	1403	OTH	DATA	MISC	DATA
HighSpeedPrinter	1404	OTH	PHYS	MISC	PHYS
ANI	1405	OTH	PHYS	MEM	PHYS
ALI	1406	OTH	PHYS	MEM	PHYS
CanNotActivatePC	1407	OTH	PHYS	MISC	PHYS
Modem	1408	STR	OTH	MISC	PHYS
CathodeRayTube	1409	OTH	PHYS	MISC	PHYS
LooseJack	1410	OTH	PHYS	PHYS	JACK
OffHook	1411	OHK	CBC	PHYS	PHYS
PhysicalProblem	1412	OTH	PHYS	PHYS	PHYS
ProcessorDead	1413	OTH	NDT	DATA	NDT
WiringProblem	1414	OTH	PHYS	PHYS	PHYS
WireBrokeSetBrokePoleOn	1415	OTH	DROP	PHYS	PHYS
NoRegister	1416	OTH	OTH	MISC	MISC
StuckSender	1417	OTH	CBC	MISC	CBC
OtherStationTrouble	1418	OTH	PHYS	PHYS	PHYS
OtherCaseGroup	1500	OTH	OTH	MISC	MISC
CallTransferProblem	1501	OTH	MEM	MEM	MEM
CallWaitingProblem	1502	OTH	MEM	MEM	MEM
CustomCallFeatureDoNotWork	1503	OTH	MEM	MEM	MEM
Information	1504	INF	INF	MEM	MISC
ThreeWayCallingProblem	1505	OTH	MEM	MEM	MEM
OrderWork	1506	OTH	OTH	MISC	MISC
ReleaseCktRequestedByIC	1507	RLS	RLS	MISC	MISC
ReleaseCktRequestedByEC	1508	RLS	RLS	MISC	MISC
ReleaseFacilityRequestedIC	1509	RLS	RLS	MISC	MISC
ReleaseFacilityRequestedEC	1510	RLS	RLS	MISC	MISC
RequestForRoutine	1511	OTH	OTH	MISC	MISC
Release	1512	RLS	RLS	MISC	MISC
RequestDispatch	1513	DISP	RLS	MISC	MISC
RequestMonitorOfCircuit	1514	MON	OTH	MISC	MISC
RoutineTestFilure	1515	RTF	OTH	MISC	MISC
LostTimerReport	1516	OTH	OTH	MISC	MISC
HistoricalReports	1517	INF	INF	MISC	MISC
SwitchOrTrunkRelated	1518	OTH	OTH	MISC	MISC
TestAssist	1519	RTA	RLS	MISC	MISC
analogTestLine	1520	ATL	OTH	MISC	MISC
digitalTestLine	1521	DTL	OTH	MISC	MISC

# Attachment 12.3 T1227/WFA/LMOS troubleFound Code Mapping

T1227 TroubleFound Description	T1.227 Code	WFA Code	LMOS Code
CameClear	(1)	CC	
CentralOffice	(2)	CO	050*, 053*, 056*, 058*
Switch Trouble	(3)		051*, 052*, 055*, 059*
CustomerProvidedEquipment	(4)	CPE	129*
Facility	(5)	FAC	04**
CentralOfficeFacility	(6)		
ICacility	(7)		
InterexchangeCarrier	(8)	IEC	
Information	(9)	INF	
NonplanClassified	(10)	NPC	057*
NonplanClassifiedIC	(11)		
NonplanClassifiedEA	(12)		
NoTroubleFound	(13)	NTF	090*, 091*, 093*, 094*
Station	(14)	STN	01**, 02**, 128*
StationProductData	(15)		
StationProductTerminal	(16)		
StationProductVideo	(17)		
StationProductVoice	(18)		
Station Wiring Station Wiring	(19)		03**
OtherStationEquipment	(20)		120*
FoundOKStation	(21)		
ServingBureau	(22)	SVB	
TestOK	(23)	TOK	097*, 124*
PublicServicesCoinSet	(24)		
CustomerOperatingInstructions	(25)		06**
TestedOKVerifiedOK	(26)		
CoFacility TestedFoundOK	(27)		098*, 099*
OutsideFacilityTestedFoundOK	(28)		
ReferredOutToOtherDept	(29)		10**
ProtectiveConnectingArrangement	(30)		
CpeCustomerResponsibility	(31)		122*, 125*, 127*
PreService	(32)		
PreServiceIC	(33)		
PreServiceEA	(34)		
ServiceNode	(35)		
Data	(36)		
CustomerReferredtoVendor	(37)		
ExchangeAccess	(38)		

T1227 TroubFound Description	T1.227 Code	WFA Code	LMOS Code
International	(39)		
ProvidedAccess	(40)		
ExistingReport	(41)		
CancelExclude	(42)		0000
PaBX	(43)		
OutsideWire	(44)		
OutsideTerminals	(45)		
OutsidePlantEquipment	(46)		
OutsidePlantFiberOptic	(47)		
OutsidePlantOther	(48)		
CentralOfficeEquipmentOther	(49)		
COEquipmentFrames	(50)		
COConcentrator	(51)		
ReceiverOffHook	(52)		
CpeAuthorized	(53)		
CpeTelcoMaintained	(54)		
IndependentCompany	(55)		
CpeCalledNumber	(56)		
AssigningProvisioning	(57)		
InterServiceCenter	(58)		
ReferredOut	(59)		
Network	(60)		

# Attachment 12.4 T1227 WFA/LMOS troubleStatus Code Mapping

TR Status	LMOS Trouble Status Code
01	PS, PSH, PSM, SC1, SC2, SC3, SC4
02	TST, TDA, ROH, PUT
03	DPI, RSC, RRC
04	DPO, PWS, PWF
05	PAO, PFJ, DFJ
06	BDO
08	PDT, PRD, VID
09	PDI, PDO, PDM, DDO, PDF, PDG, PDC, PDS, PDB, PD1, PD2, PD3, PD4, PD5, PD6, PD7, PD8, PD9, PDX, PDY, PDZ, TSA
10	CON
Π	RFC, HLD, PAB, RMR, ROP, RCC, RBC, RSS
13	NAS, NAO
[4	STO
15	STA
20	TMK
21	CAF, DFC
22	OEF
23	ВКО
24	CNA
25	CCA
27	CLO

TR Status	WFA Trouble Status Code
08	AP, ATC, PP, HLD, HCC, RPV, RPVI, RPVO
02	IP .
TI	RFX, REF
03	HFX, HCX, HDF, HDC
04	HDX, HDD
16	DM
14	NA
25	RST
26	VTK, EBV, EBX
27	CLD
31	CAN

# Attachment 12.5 JIS Change Control Form

	JIS CHANGE CONT	ROL FORM	
•		2 II	
		SYSTEM	
		Other	
Change Title			
Change Control Log #	Origination	on Date:	
MCI MR #:	Response	Date:	
BA MR #:	Target Con	npletion Date:	
Requester Name:		Co: Ph	one:
JIS Page #	Section #:	Section Title	
Change Description:			
Approved:	Yes No		
If No, Reason Why:			
If Yes, Impact:			
Date Approved:			
Rejected:			
Signatures: MCI		Bell Atlantic:	
	Lanel Mahoy		Bob Mosley

# Attachment 12.6 Change Control Log

# MCI/Bell Atlantic Change Control Log

Change Control Log #	Log Title	MCI Change Control #	BA Change Control #	Description	Originator Date	Target Date	Complete Date	Approved/ Disapproved & Date
							<u> </u>	

# Attachment 12.7 Attribute Supplied By Manager and Agent Based on T1.227 and T1.228

### Attributes supplied by the Manager from T1.227 and T1.228

ATTRIBUTE LABEL	MAND/ OPT PER STD	MAND/ OPT PER EB	LENG- TH	ТҮРЕ	DEFINITION	WFA REMARKS	LMOS REMARKS
ManagedObjectInstance distinguishedName <network id=""> <accountname> <eccircuitid></eccircuitid></accountname></network>		M 'BAL' 'MCI- LSR'	0.64	CHOICE DistinguishedName  IMPLICIT OCTET STRING IMPLICIT RDN Sequence	The MOI indicates the Customer Network Management Service (CNM) object class instance or the General Network Model (GNM) telecommunications network resource instance associated with a particular trouble report instance. Currently MCI is not sending the svc_type_prefix. If it is sent, the request will be failed.	Will utilize ECCircuitID up to 45 chars to match WFA record.	Only the 10 digit number without terminal extention will be used.
Trouble Type		М	04	Choice Integer	Identifies the category of trouble that is being reported.  Trouble types as defined in T1.227 standards	Supported	Supported
CalledNumber		ОРТ	064	GraphicString	Identifies the number called at the time of trouble detection	Supported	Supported The called number is not entered on the trouble report. However, if provided, it will be forwarded to the work center.
CustomerWorkCenter		OPT	064	GraphicString	Identifies the manager work center from which the trouble was entered	Supported	Not supported.
CustTroubleTicketNum		М	064	GraphicString	Contains the manager's internal trouble ticket number. Open issue: WFA is enhanced to handle 15 chars so that truncation is not necessary.	15 chars will be stored in OSSTR 15 chars will be stored in OSSTREB	Supported  All characters will be stored in the work center.
TroubleReportFormatObjectPtr distinguishedName nonSpecificForm localDistinguishedName	l or 2	M Not sup. Not sup.		Objectinstance	Indicated which instance of the Trouble Report Format Definition object class will be used for the trouble reports for a particular service.	Supported	Supported
TspPriority		OPT	2 (fixed length)	GraphicString	Conveys TSP (Telecommunication Service Priority) codes if applicable between the Manager and Agent.	Supported and validated. If this attribute differs from the WFA record, a log entry will be made.	TSP Priority is not entered on the trouble report. However, if provided, it will be forwarded to the work center.

Not Supported: Indicates the Bell Atlantic OSSs cannot support this function.

## Attributes supplied by the Manager and updated by the Manager from T1.227 and T1.228

ATTRIBUTE LABEL	MAND/ OPT PER STD	MAND/ OPT PER EB	LENG- TII	ТҮРЕ	DEFINITION	WFA REMARKS	LMOS REMARKS
ALocationAccessAddress					Provides the local customer name	Supported.	Will be stored in the work center.

ATTRIBUTE LABEL	NIAND/ OPT PER STD	MANU/ OPT PER EB	LENG- TH	ТҮРЕ	DEFINITION	WFA REMARKS	LMOS REMARKS
premiseName premiseAddress civicAddress city state 2ip	M M M M	M M M M	064 064 064 064 064	GraphicString GraphicString GraphicString GraphicString GraphicString	and premise address.		
ZLocationAccessAddress PremiseName premiseAddress civicAddress city state zip		OPT	064 064 064 064 064	GraphicString GraphicString GraphicString GraphicString GraphicString	Provides the address where the circuit is in trouble.	Supported.	Not supported.
Al-ocationAccessHours WeekMask daysOfWeek  sunday monday tuesday thursday friday saturday intervalsOfDay  intervalStart time24 hour	DEF '1111111' B	M		SET OF WeekMask SEQUENCE BIT STRING  SET OF SEQUENCE SEQUENCE INTEGER INTEGER SEQUENCE	Defines the specific hours of each day of the week during which access to the A location is available.  Note: Update to no access for a certain day: - turn on daysOfWeek for that day e.g. '1000000' for Sunday - set intervalsOfDay to ((0,0),(0,0))	Supported 3 daysOfWeek in OSSTRE and the remaining in OSSI.OG. Supported one set of intervalsOfDay  Note: intervalsOfDay is default to 00:00 AM - 23:59 PM when it is not supplied by manager. i.e. access hour is from 00:00 AM to 23:59 PM	Only today's access hours will be stored on the trouble ticket.  Additional al.ocationAccessHours will be forwarded to the work center.
minute intervalEnd timer 24 hour minute  ZlocationAccessHours WeckMask daysOfWeek sunday		ОРТ		INTEGER INTEGER  SET OF WeekMask SEQUENCE BIT STRING	Defines the specific hours of each day of the week during which access to the Z location is available.	Not supported.	Not supported.
mondáy tucsday thursday friday saturday intervalsOfDay intervalStart time24				SET OF SEQUENCE SEQUENCE INTEGER			
hour minute intervalEnd time24 hour				INTEGER SEQUENCE INTEGER	CI/Rell Atlantic Proprietary		

ATTRIBUTE LABEL	MAND/ OPT PER STD	MAND/ OPT PER EB	LENG- TH	ТҮРЕ	DEFINITION	WFA REMARKS	LMOS REMARKS
minute				INTEGER			
ALocationAccessPerson personNumber personPhone personLocation personEmail personF personRespon	DEF "" DEF "" OPT OPT OPT OPT	DEF ""  M M Not Sup. Not Sup. Not Sup. Not Sup. Not Sup.	064 064 064	GraphicString GraphicString GraphicString GraphicString GraphicString GraphicString GraphicString GraphicString	Enables the Manager to specify the details of the person at the A location.  If personEmail is sent, it will be ignored.	Stores personName (42 chars), personPhone (10 chars) in the log.	Stores personName (15 chars), personPhone (10 chars).
ZLocationAccessPerson personNumber personName personPhone personLocation personEmail personFax personRespon	DEF "" DEF "" OPT OPT OPT OPT	OPT	064 064 064 064 064 064	GraphicString GraphicString GraphicString GraphicString GraphicString GraphicString GraphicString GraphicString	Enables the manager to specify the details of the person at the Z location.	Stores personName (49 chars), personPhone (10 chars) in the log	Not supported.
Additional TroubleInfoList		М	0256	SET OF GraphicString	Further describes the selected trouble type as well as other pertinent information in repairing this trouble report.  Should send up to 3 sets per request.	Supported	First 32 chars will be stored. However, the entire attribute will be forwarded to the work center.
Commitment Time Request onsite Time cleared Time		OPT		CHOICE GeneralizedTime	Indicates trouble cleared time requested by the Customer.	Supported cleared Time. See Commitment Time attribute.	Supported cleared lime. See Commitment lime attribute.
ManagedObjectAccessHours  WeckMask daysOf Weck  sunday monday	DEF '1111111' B	М		SET OF Weekmask SEQUENCE BIT STRING	Defines the specific hours of each day of the week during which access to the managed object is available.	Supported one set of intervalsOIDay	Only today's access hour will be stored.  LMOS non-intrusive testing information supplied will not appear on the trouble report, but will be stored in the work center.
ituesday wednesday thursday friday saturday intervalStart time24 hour minute intervalEnd time24 hour minute	DEF ((0,0),(23 ,59))	М		SET OF SEQUENCE SEQUENCE INTEGER INTEGER SEQUENCE INTEGER INTEGER			
ManagerContactPerson					Manthus an Indicator to the	Stores parent New Miles	Managar contact parcon number
wianager Contact CLSOU		L	J	SEQUENCE	Identifies an individual in the	Stores personName (20 chars),	Manager contact person number

ATTRIBUTE LABEL	MAND/ OPT PER STD	MANU/ OPT PER EB	LENG- TH	ТҮРЕ	DEFINITION	WFA REMARKS	LMOS REMARKS
personReach personNumber personName personPhone personLocation personEMail personFax personRespon	DEF "" DEF "" OPT OPT OPT OPT OPT	DEF ""  M  M  Not Sup.  Not Sup.  Not Sup.  Not Sup.	064 064 064,	GraphicString GraphicString GraphicString GraphicString GraphicString GraphicString GraphicString GraphicString	Manager's organization who can be contacted regarding the reported trouble.	personPhone (18 chars)	will be displayed on the trouble report (10 chars).  personName (18 chars) personPhone (10 chars) will be forwarded to the work center.
Perceived TroubleSeverity outOfService (0) backInService (1) serviceImpairment (2) nonServiceAffecting (3)		OPT		CHOICE INTEGER	Allows the Manager to indicate the effect of the trouble on the managed object being reported.	Supported.	Not supported.
PreferredPriority undefined (0) minor (1) major (2) serious (3)		OPT		ENUMERATED	Indicates the urgency with which the Manager requires resolution of the problem.	Supported.	Not supported.
day (0) hour (1) minute (2) second (3) msec (4)	0.31 0.23 0.59 0.59 0.999	М		SEQUENCE INTEGER INTEGER INTEGER INTEGER INTEGER	Specifics a sliding window during which a progress/status notification is expected. The sliding window begins at the event time for the most recent notification.	Supported.	Not supported.

### Attributes supplied by the Agent from T1.227 and T1.228

ATTRIBUTE LABEL	MAND/ OPT PER STD	MAN/ OPT PER EB	LENG- TII	ТУРЕ	DEFINITION	WFA REMARKS	LMOS REMARKS
InitiatingMode managerDirect (0) managerindirect (1) agentOriginated (2) managerIndirectEMail (3) managerIndirectFax (4) managerIndirectPersonal (5) managerIndirectPhone (6)		OPI		INTEGER	Specifies the mode of initiation of the trouble report. This attributed can take the following integer values:  • managerDirect indicating that the manager caused the creation of the trouble report across the interoperable interface.  • managerindirect indicating that the manager reported the trouble to the agent and the agent locally created the trouble report in the system.  • agentOrginated indicating that the agent detected the problem and locally created the trouble report in the system.  • alarmOriginated indicating that the trouble report was automatically created by the network/equipment because of an alarm.	Not supported.	Not supported.
ReceivedTime		М		GeneralizedTime	Indicates the date and time when a trouble reported was received by the Agent.	Supported.	Supported.
TroubleReportID		М	U64	GraphicString	The distinguishing attribute of the Trouble Report managed object class. It is assigned by the service provided at the time the trouble report is entered.  Open issue: To eliminate the three chars alpha prefix cannot be completed in a short time frame.	Three chars alpha prelix to identify the control region of the reported trouble will be added to the WFA ticket number. e.g. WNJ, WCP, WPA, WNE, WNY	Three chars alpha prelix to identify the control region of the reported trouble will be added to the LMOS ticket number. e.g. LNJ, LCM, LCV, LPA, LNE, LNC, LNS

# Attributes supplied by the Agent and updated by the Agent from T1.227 and T1.228

ATTRIBUTE LABEL	MANDV OPT PER STD	MAND/ OPT PER EB	LENG- TH	Туре	DEFINITION	WFA REMARKS	LMOS REMARKS
ActivityDuration duration day (0) hour (1) minute (2) second (3) msec (4)	M 031 023 059 059 0999	М		SET OF SEQUENCE INTEGER INTEGER INTEGER INTEGER INTEGER	Indicates time spent on billable and nonbillable activities. It is possible to indicate the total billable or nonbillable time spent on a group of activities as indicated by the bits with a value of "1" in the bit string.	Provides no access, and dispatch activity durations.	Receipt to clear running clock does not remove No Access Time.
billable activityType after-hours-repair (0) standby (1) after-hours-standby (2) test (3) manager-initiated-test (4) dispatch (5) no-access (6) delayed-maintenance (7) release (8)	OPT OPT	INIT- FALSE INIT- '0000000 O'B		BOOLEAN BIT STRING			
Additional TroubleStatusInfo		М	0256	SET OF GraphicString	Remarks sent from BA to manager.	Supported.	Supported.
AgentContactPerson PersonReach personNumber personName personPhone personLocation personEMail personFax personRespon	DEF "" DEF "" OPT OPT OPT OPT	DEF "" M M Not Sup. Not Sup. Not Sup. Not Sup. Not Sup.	064 064 064	SEQUENCE GraphicString GraphicString GraphicString GraphicString GraphicString GraphicString GraphicString	Identifies an individual in the agent's organization who can be contacted regarding the reported trouble.  Agent will send back Null in the personNumber.	personName will be the work center name and the personPhone will be derived from a script table.	The personName will be the center name "RCMC" and the personPhone will always be '888.270.1800'.  Whenever we send response back to the Manager we will hard code '888.270.1800'
CommitmentTime onsiteTime clearedTime		М		CHOICE GeneralizedTime GeneralizedTime	Indicates trouble cleared time given to the Customer.	Bell Atlantic does not offer or negotiate commitment times on special services. The goal is to fix each trouble as rapidly as possible. Any commitment Time attribute sent by the manager will be accepted and placed in the log for reference. BA will echo back the commitment Time requested by the manager in the Create response. Additional Trouble Status Info will be used to send updates to the estimated time to repair.	Supported.
TroubleReportState queued (0) openActive (1)		М	01	INTEGER	Indicates the current state of a trouble report from among: queued, openActive, deferred, cleared,	Supported.	Supported.

ATTRIBUTE LABEL	MAND/ OPT PER STD	MAND/ OPT PER EB	LENG- TH	ТУРЕ	DEFINITION	WFA REMARKS	LMOS REMARKS
deterred (2) cleared (3) closed (4) disabled (5)			•		closed, and disabled.		·
TroubleReportStatus		М	02	CHOICE INTEGER	Indicates the current status of the trouble report.	Supported.	Supported.
TroubleReportStatusTime		М		GeneralizedTime	Time when a change of state and/or status takes place.	Supported.	Supported.

### Attributes set to default by the Agent and only updated by the Agent from T1.227 and T1.228

ATTRIBUTE LABEL	MAND/ OPT PER STD	NIAND/ OPT PER EB	LENG- TH	ТҮРЕ	DEFINITION	WFA REMARKS	LMOS REMARKS
CloseOutNarr	INIT	INIT **	0256	GraphicString	Provides a place for the person who resolved the problem to document any additional information regarding the trouble report closure.	Supported.	Supported.
MaintServiceCharge	FALSE	INIT FALSE		BOOLEAN	Indicates whether the customer will be charged for repairs performed on the service.  Open issue: MCI will not send the MaintServiceCharge in the create request.	Not supported, however, any billable maintServiceCharge will be indicated by the billable flag within the activityDuration attribute.	Not supported, however, any billable maintServiceCharge will be indicated by the billable flag within the activityDuration attribute.
OutageDuration  TimeInterval day (0) hour (1) minute (2) second (3) mscc (4)	0.31 0.23 0.59 0.59 0.999	INIT NULL		CHOICE SEQUENCE INTEGER INTEGER INTEGER INTEGER INTEGER	Indicates the amount of time between the trouble report received time and the trouble report clearing time, excluding previously agree to "stop clock" time and time for which the service could not be accessed by the agent for repair	Supported.	Not supported.
RestoredTime	NULL	NULL.		CHOICE {Null, GeneralizedTime}	Indicates when the trouble was repaired which may be different from manager's notified time.	Supported.	Supported.
TroubleFound	INIT pending (0)	INIT pending (0)		CHOICE INTEGER	Specifies an enumerated code value which identifies the problem resolved.	Supported.	Supported.

ATTRIBUTE LABEL	MAND/ OPT PER STD	MAND/ OPT PER EB	LENG- TII	ТҮРЕ	DEFINITION	WFA REMARKS	LMOS REMARKS
CancelRequestedBy Manager	FALSE	INIT - FALSE		BOOLEAN	Indicates whether the Manager has initiated the process to cancel a trouble report. When set to TRUE, the Manager has requested that the trouble report be canceled.	Supported only if the trouble report has not been dispatched.	Supported only if the trouble report has not been dispatched.
CloseOutVerification  NoAction (0) verified (1) denied (2) deniedActivityDurationDisputed (3) deniedCloseOutNarrDispluted (4)	INIT - noAction (0)	INIT - noAction (0)		ENUMERATED	Indicates whether the Manager has verified repair completion, denied repair completion, or taken no action.	Supported.	Not supported.
TroubleClearancePerson personReach personNumber personName personPhone personLocation personEMail personFax personRespon	DEF "" DEF "" OPT OPT OPT OPT OPT	DEF "" M M	064 064 064 064 064 064	SEQUENCE GraphicString GraphicString GraphicString GraphicString GraphicString GraphicString GraphicString	Identifies an individual in the manager's organization who last modified the attribute 'closeOutVerificiation' or 'cancelRequestedByManager'.	Stores personName up to 20 chars personPhone 10 digits.	Not suppported.
TroubleDetectionTime		OPT		CHOICE[NULL, Generalized Time}	Indicates the time as which the trouble was detected. This may be different from the time at which the trouble report was created.	Supported.	Not supported.

## Attributes supplied by the Manager or set to default by the Agent and updated by the Manager or Agent from T1.227 and T1.228

ATTRIBUTE LABEL	MAND/ OPT PER STD	MAND/ OPT PER EB	LENG- TH	ТҮРЕ	DEFINITION	WFA REMARKS	LMOS REMARKS
AuthorizationList requestState requested (1) provided (2) denied (3) activityType authorizationTime authPerson	M OPT OPT	M M Not Sup. Not Sup.		set of sequence enumerated  Bit String generalizedTime SEOUENCE	Identifies whether authorization is requested by the Agent and provided by the Manager for the type (or types) of activities specified.  Multiple items can be sent per set.	Supported.	Supported.

## Attributes supplied by the Manager and updated by the Agent from T1.227 and T1.228

ATTRIBUTE LABEL	MAND/ OPT PER STD	MAND/ OPT PER EB	LENG- TII	ТҮРЕ	DEFINITION	WFA REMARKS	LMOS REMARKS
ManagedObjectinstanceAliasList		OPT	0256	SET of GraphicString		Constrained to one instance 46 chars If it is longer than 46 chars or more than 1 set is sent, it will be truncated, only 46 chars are accepted.	Not supported.

# Attributes supplied only by the Manager and updated by the Manager or Agent from T1.227 and T1.228

ATTRIBUTE LABEL	MAND/ OPT PER STD	MAND/ OPT PER EB	LENG- TH	ТҮРЕ	DEFINITION	WFA REMARKS	LMOS REMARKS
EscalationList				SET OF SEQUENCE	Indicates whether escalation is	Supported.	Supported.
requestState	M	M			requested by the Manager and	''	
requested (1)		1			provided by the Agent. It is		
provided (2) escalation Time	1			ENUMERATED	optionally specifics the level of	ì	
requestPerson	M	M			escalation and the person escalated		Ī
personReach	M	М		C   F   PEC	to. If no escalation level is		
personNumber	DEF **	DCC ##		GeneralizedTime	specified by the Manager in the		1
personName	DEF **	DEF **	0.44	SEQUENCE	request, then the Agent must escalate to the next level.		
personPhone	OPT	M	064 064	Coordings.	escalate to the next level.		
personLocation	OPT	Not Sup.	U04	GraphicString GraphicString	The personNumber in the		
personEmail	ino	Not Sup.		GraphicString	requestPerson will be ignored.		1
personFax	OPT	Not Sup.		Chabinestring	requestreison will be ignored.		į
personRespon	OPT	Not Sup.		INTEGER	The personNumber in the escPerson		}
orgLevel	1	1 vot Bup.		INVESER	will be set to Null.		
no-escalation (0)	1	į		l	Will be set to Ivali.		1
first-level (1)					The personLocation, personEmail,		]
second-level (2)				į.	personFax and personRespon of		
third-level (3)	Į.	Į į		1	requestPerson and escPerson are not	Į.	
fourth-level (4)	1				supported and will be ignored.		
fifth-level (5)	1				"		
sixth-level (6)	į.	į.		į.			
escPerson	OPT	OPT					
personReach	1			GraphicString	1	<b>]</b>	
personNumber	DEF ""	DEF ""		GraphicString	<b>1</b>		
personName personPhone	DEF ""	M	064	GraphicString			
persont-none persont_ocation	OPT	M	064	GraphicString			
personEmail	OPT	Not Sup.	ł	GraphicString			<u> </u>
personFax	OPT OPT	Not Sup.	l	GraphicString	Ì	i	
personRespon	OPT	Not Sup. Not Sup.		GraphicString			
personitespon	) Ora	Not Sup.		1	1		
RepealReport	<del> </del>	OPT		ENUMERATED	Indicates whether there has been a	Supported.	Not Supported.
unspecified (0)	1	l			provisioning/installation or a	oupported.	Tion Supported.
recentinstallation (1)	1	1	ì	1	trouble activity on the managed	Ì	İ
repeat (2)			I		object in the recent past, e.g. within		1
bothInstallationAndRepeat (3)	1	ŀ		1	the past 30 days.		
chronic (4)	1	1	1	1		ì	}
bothInstallationAndChronic (5)	j	1	1	1		1	Į.

BA will provide bundling of attributes in event report notifications associated with following events.

1. BA Provides Escalation: When BA provides escalation, the following attributes may be changed as a part of the escalation process, and all changed attribute values will be bundled in the event report notification message.

a. Escalation List

b. Trouble Report Status (if there are changes)
 c. Trouble Report Status Time (if troubleReportStatus changes)

- d. Additional Trouble Status Info (if there are changes)
- BA Requests Authorization: When BA requests authorization, the following attributes may change. Any value changes for these attributes will be bundled and reported in the event report notification message for this event.

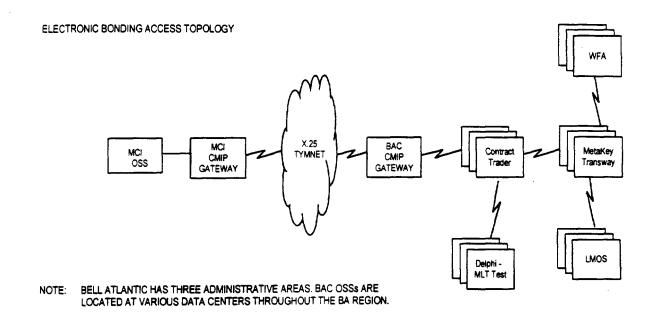
Authorization List

b. Trouble Report State (if there are changes)

c. Trouble Report Status (if there are changes)

- d. Trouble Report Status Time (if troubleReportStatus changes)
- c. Additional Trouble Status Info (if comments are entered)
- BA Provides Status: When BA provides status, the following attributes may change, and any value changes of these attributes will be bundled and reported in the event report notification message accompanying the event.
  - a. Trouble Report Status
  - b. Trouble Report Status Time
  - c. TroubleReportState (if there are changes)
  - d. Additional Trouble Status Info (if comments are entered as part of status)
- BA Sends "Clear Awaiting Customer Verification" Event Report: The following attributes will be changed as part of the "clear awaiting customer verification" event, and any changes in values of these attributes will be bundled as part of the event report notification.
  - a. Trouble Report State
  - b. Trouble Report Status
  - c. Trouble Report Status Time
  - d. Close Out Narrative and/or Additional Trouble Status Info (if there are changes)
  - c. Outage Duration
  - f. Restored Time
  - Trouble Found
  - g. Trouble Foundh. Activity Duration (if there are changes)

# Attachment 12.8 Access Topology



#### Attachment 12.9 MLT Results

Refer to Electronic Communications Implementation Committee (ECIC) Testing Standard Application (ANSI T1.262 – 1988) Implementation Guidelines – ECICDocument Number: TRA/98-03 and DIP Functional and Interface Specifications 2.2, Issue 4.0 (Document Number: Delphi. REQ.004).

Test Requested		Delphi Tag	Len/Type	
FULL	Optionally, DC signature results:	Tip to ground resistance	DCTGK	8 A/N
		Tip to ground voltage	DCTGV	4 A/N
		Ring to ground resistance	DCRGK	8 A/N
		Ring to ground voltage	DCRGV	4 A/N
		Tip to ring resistance	DCTRK	8 A/N
	Optionally, AC signature results:	Ringers - Numeric	*	
		Tip to ground resistance	ACTGK	8 A/N
		Ring to ground resistance	ACRGK	8 A/N
		Tip to ring resistance	ACTRK	8 A/N
	Optionally, balance results:	Capacitive (percent)	CAPBAL	4 A/N
		Longitudinal (decibels)	LONGBAL	3 A/N
	Optionally, loop results, either:	Total loop	LPLEN	7 A/N
		Open distance from the CO	LPFROMCO	7 A/N
	Optionally, central office results:	Line circuit status	COLNCKT	3 A/N
		Dial tone status	CODTONE	3 A/N
QUICK	Optionally, DC signature results:	Tip to ground resistance	DCTGK	8 A/N
		Tip to ground voltage	DCTGV	4 A/N
······································		Ring to ground resistance	DCRGK	8 A/N
		Ring to ground voltage	DCRGV	4 A/N
		Tip to ring resistance	DCTRK	8 A/N
	Optionally, AC signature results:	Ringers - Numeric	*	
		Tip to ground resistance	ACTGK	8 A/N
		Ring to ground resistance	ACRGK	8 A/N
		Tip to ring resistance	ACTRK	8 A/N
	Optionally, balance results:	Capacitive (percent)	CAPBAL	4 A/N
		Longitudinal (decibels)	LONGBAL	3 A/N
	Optionally, loop results, either:	Total loop	LPLEN	7 A/N
		Open distance from the CO	LPFROMCO	7 A/N
LOOP	Optionally, DC Signature results:	Tip to ground resistance	DCTGK	8 A/N
		Tip to ground voltage	DCTGV	4 A/N
		Ring to ground resistance	DCRGK	8 A/N
		Ring to ground voltage	DCRGV	4 A/N
		Tip to ring resistance	DCTRK	8 A/N
	Optionally, AC Signature results:	Ringers - Numeric		
		Tip to ground resistance	ACTGK	8 A/N
		Ring to ground resistance	ACRGK	8 A/N
		Tip to ring resistance	ACTRK	8 A/N
	Optionally, balance results:	Capacitive (percent)	CAPBAL	4 A/N
· · · · · · · · · · · · · · · · · · ·		Longitudinal (decibels)	LONGBAL	3 A/N
	Optionally, loop results, either:	Total loop	LPLEN	7 A/N
<del></del>		Open distance from the CO	LPFROMCO	7 A/N

<sup>\*</sup> Integer value of: 0 = no ringers; 1=one or more ringers
Ringers: RNGRSTR (4 A/N) Tip to Ring, RNGRSTG (4 A/N) Tip to Ground, RNGRSRG (4 A/N) Ring to Ground

### Attachment 12.10 Team Contacts

### ELECTRONIC BONDING MCI TEAM CONTACT LIST

Name & Role	Address	Phone	Fax
Tyra Colbert Eastern Systems Implementation	MCI - Dept/Loc: 2986/071 7900 Westpark Drive McLean, VA 22102	703-918-6683	703-918-0756
Lanel Mahoy EB Project Management	MCI - Dept/Loc: 2791/117 2424 Garden of the Gods Colorado Springs, CO 80919	719-535-4650	719-535-1488
Tammy Klein Test Coordinator	MCI - Dept/Loc: 2791/117 2424 Garden of the Gods Colorado Springs, CO 80919	719-535-5035	

### ELECTRONIC BONDING Bell Atlantic TEAM CONTACT LIST

Name & Role	Address	Phone	Fax	Beeper
Vern Pinkham	13101 Columbia Pike	301-236-7909	301-282-9651	800-671-6813
Testing Coordinator	Silver Spring, MD 20904			
Eric Poon Testing Coordinator	13100 Columbia Pike E4 Silver Spring, MD 20904	301-282-0421	301-282-9651	
Jim Dail	1320 N. Court House Road	703-974-4533	703-974-1031	800-909-9528
MCI Account Manager	2 <sup>th</sup> Floor Arlington, VA 22201			
Jane Parkinson	13100 Columbia Pike	301 236-2648		
WFA	B33			
	Silver Spring MD 20904	·		
Bob Mosley	13100 Columbia Pike E4	301-282-0415	301-282-9651	888-416-4876
EB Project Management	Silver Spring, MD 20904			
Bob Hundemer	13100 Columbia Pike E4	301-590-1609	301-282-9651	800-671-4792
	Silver Spring, MD 20904			
Wyvonia S. Taylor	Route 18 & Hillsdale Road	973-350-0096		
	East Brunswick, NJ 08816			
Nolan C. Dinsmore	7833 Walker Drive, 2/F,	301-982-1377		
	Greenbelt, MD 20770			